

Fig. 1 A performance example of a module with a carrying rack, a high voltage connection and an equipment under test section in vertical polarization

- (1) Rack out of electrical, non-conducting material
- (2) IGW
- (3) ICW
- (4) Pressure tube and rail-shaped spark gap
- (5) Bus bar
- (6) Terminating impedance
- (7) Triggered first spark gap and high voltage source connection

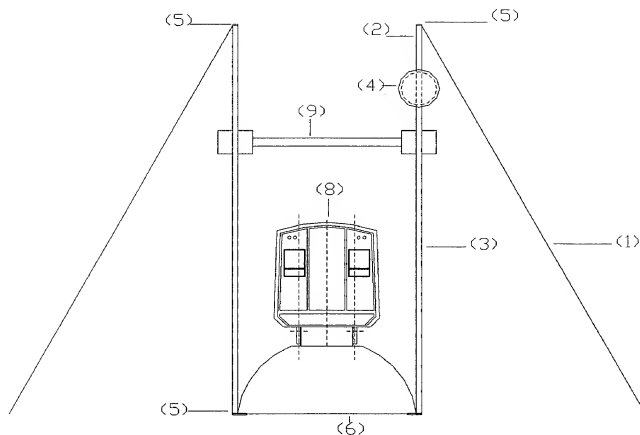


Fig. 2 A performance example of the horizontal polarization

- (1) Wooden rack
- (2) IGW
- (3) ICW
- (4) Pressure tube and rail-shaped spark gap
- (5) Bus bar
- (6) Terminating characteristic impedance
- (7) Triggered first spark gap and high voltage source connection
- (8) Train section in the testing chamber
- (9) Synthetic column

3/6

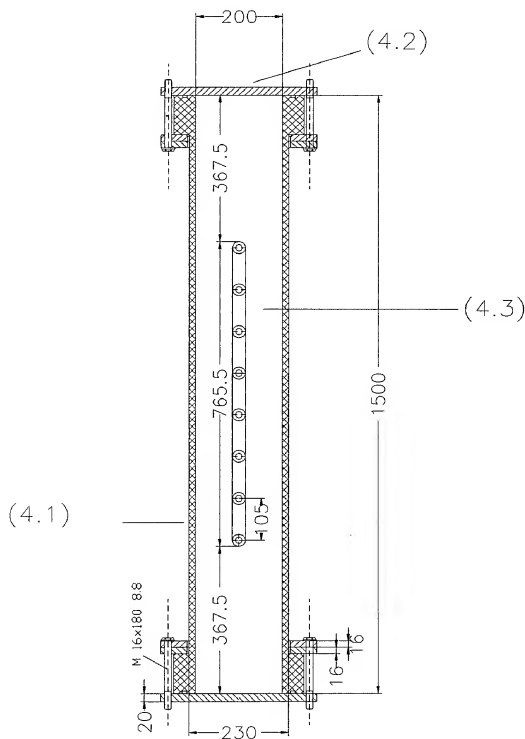


Fig. 3 A performance example of the pressure tube with electrode as detail of figure 1 and figure 2

(4.1) GFK-tube

(4.2) Lit

(4.3) Rail-shaped electrode, serves as connection for the single wave guides at the same time

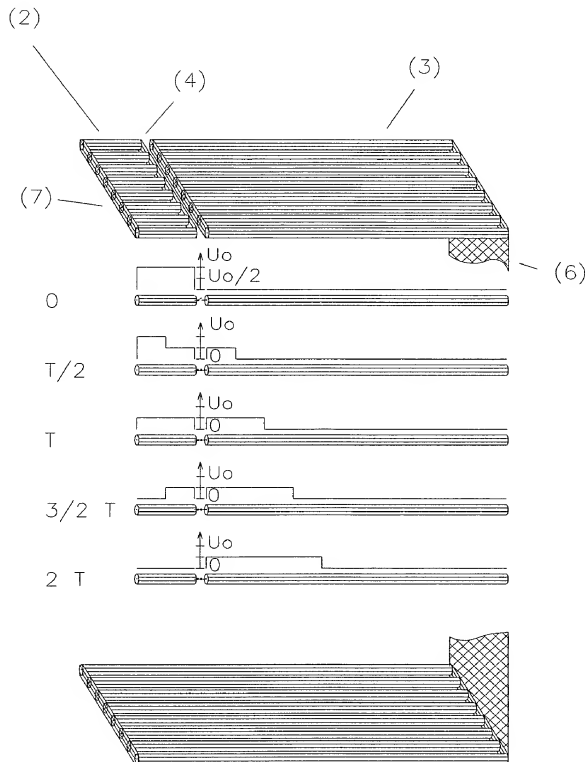


Fig. 4 Function

(2) IGW

(3) ICW

(4) Rail-shaped spark gap

(6) Terminating impedance

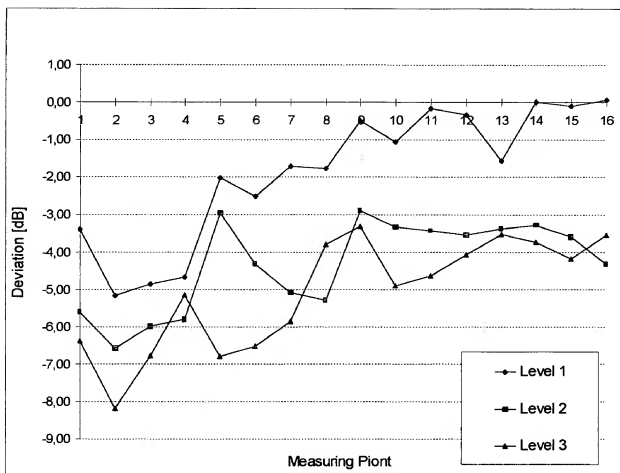
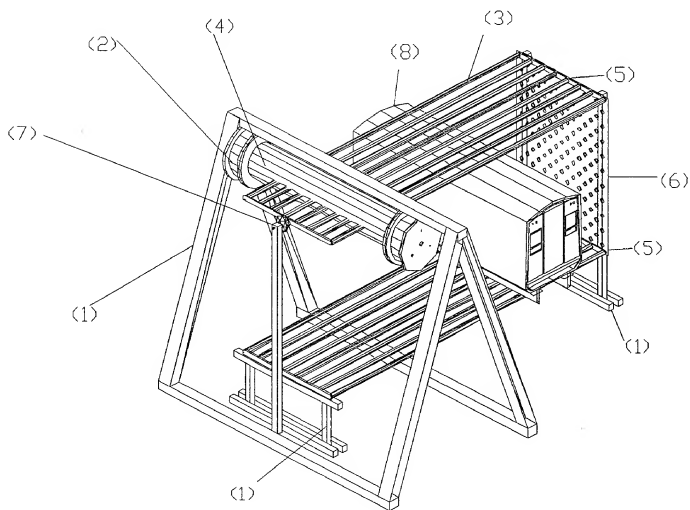


Fig. 5 6-dB-criteria of all measuring points in the testing chamber



- (1) Rack out of electrical, non-conducting material
- (2) IGW
- (3) ICW
- (4) Pressure tube and rail-shaped spark gap
- (5) Bus bar
- (6) Terminating impedance
- (7) Triggered first spark gap and high voltage source connection

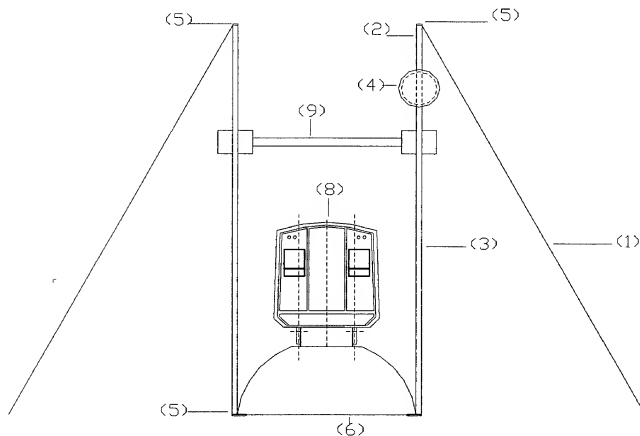
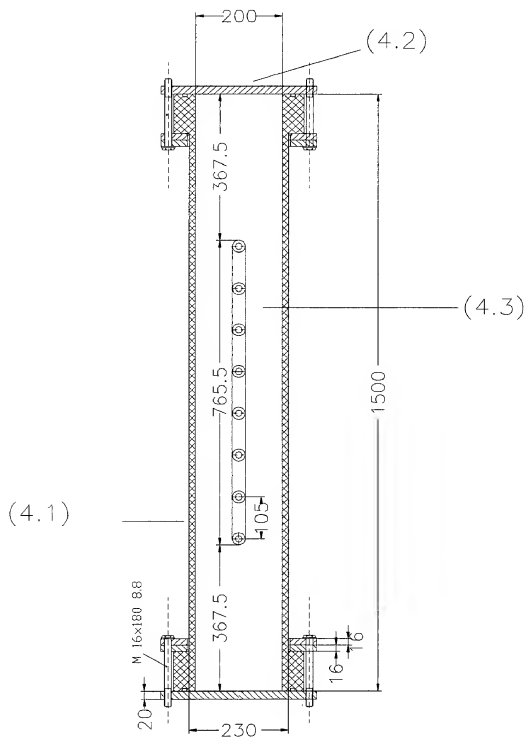


Fig. 2 A performance example of the horizontal polarization

- (1) Wooden rack
- (2) IGW
- (3) ICW
- (4) Pressure tube and rail-shaped spark gap
- (5) Bus bar
- (6) Terminating characteristic impedance
- (7) Triggered first spark gap and high voltage source connection
- (8) Train section in the testing chamber
- (9) Synthetic column



(4.1) GFK-tube

(4.2) Lit

(4.3) Rail-shaped electrode, serves as connection for the single wave guides at the same time

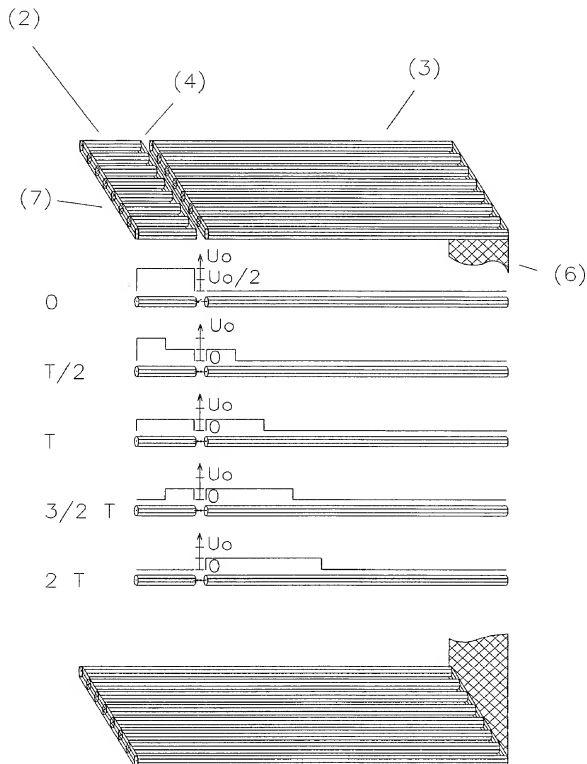


Fig. 4 Function

- (1) IGW
- (2) ICW
- (3) Rail-shaped spark gap
- (4) Terminating impedance

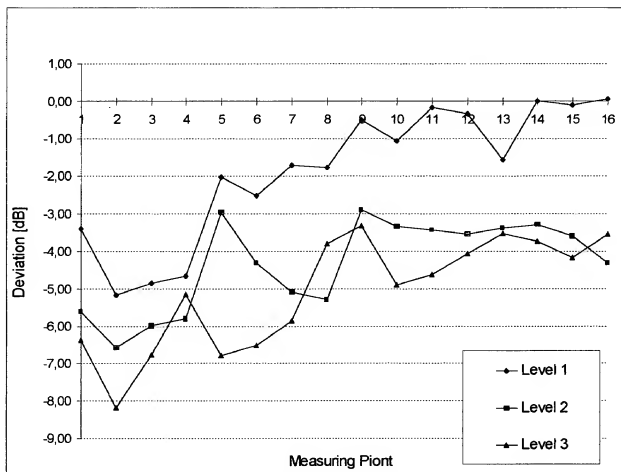


Fig. 5 6-dB-criteria of all measuring points in the testing chamber